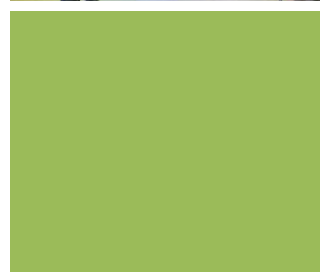
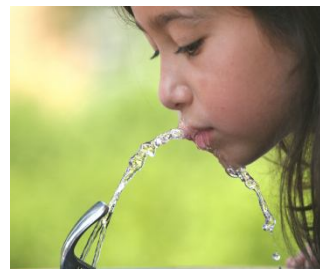


US EPA ARCHIVE DOCUMENT

THE CALIFORNIA CLIMATE ADAPTATION STRATEGY



December 15, 2010



Kurt Malchow
California Natural Resources Agency



The California Climate Adaptation Strategy:



- November 2008 Governor's Executive Order
- Released December 2, 2009
- Progress Report released November 15, 2010
- Bi-annual update (?)



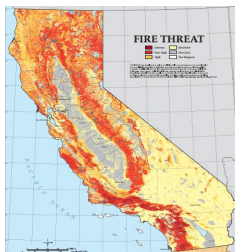
Climate Adaptation Strategy: Process

- “Brainstorming” sessions – science and policy
- Meetings with experts to discuss climate science and adaptation approaches
- Formation of working groups (by sector)
- Consultant team to synthesize the science
- Strategy: What can state do near-term (2010) and longer-term
- Multi-phase, internal and public reviews

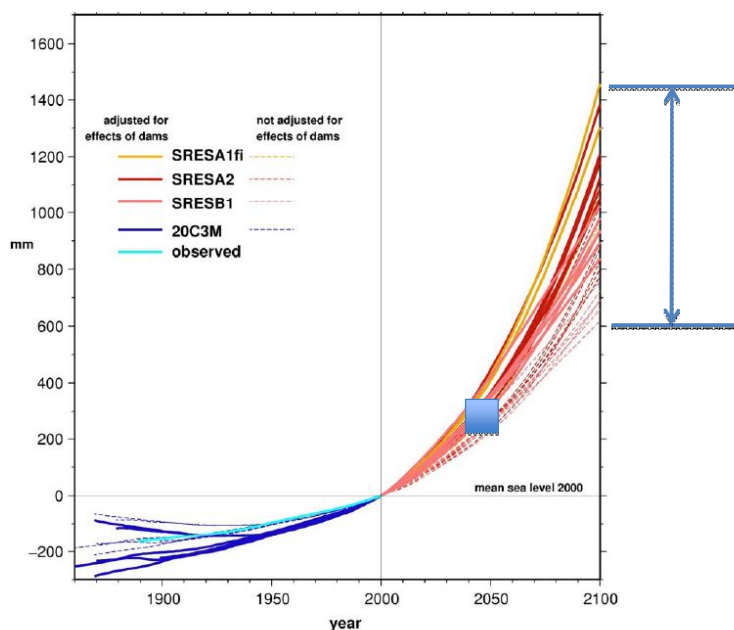


Climate Adaptation: Perceptions

- Adversity
- Capitulation
- Necessity



Climate Adaptation: Perceptions



CNRM CM3 --- GFDL CM2.1 --- MIROC3.2 (med)
MPI ECHAM5 --- NCAR CCSM3 --- NCAR PCM1

Source: Cayan et al., 2009. CEC-500-2009-014-F



Research and Publications:



The Future Is Now

An Update on Climate Change
Science, Impacts, and Response
Options for California

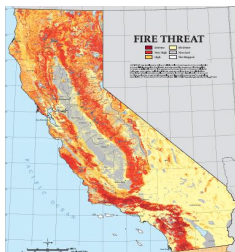
**A report from the California Climate Change Center
California Energy Commission's
Public Interest Energy Research Program
September 2008**

www.climatechange.ca.gov/publications/



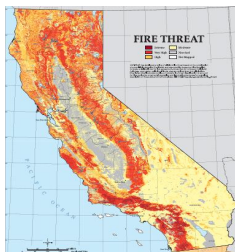
Key Points:

- Climate Change impacts are *already* occurring
- Future climate impacts projected to be worse
- \$2.5 trillion of California infrastructure “at risk”
- Opportunity to reduce risks and build resilience
- Already requirement under CEQA



Climate Adaptation Strategy: Structure

- Defines the climate impact problem to the state.
- Identifies the adaptation component of planning for climate change.
- Synthesizes PIER research into current and expected climate impacts (depending on emissions scenario).
- Makes key recommendations.
- Breaks down each of these prior steps by sector.
- Focus on Science, Impacts, Strategy, Action.



Funding

- Existing resources
- \$150,000 allocation (AB 32)
- Resources donated from other agencies (website, publication, logistics)



Since Release:

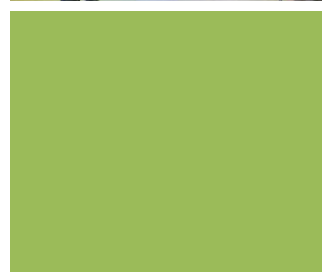
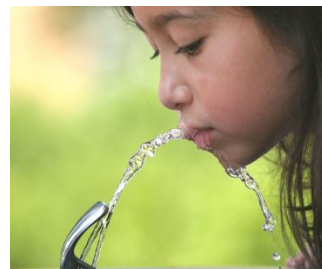
- Making research findings *relevant* (Vulnerability Study, Policy Guide, CalAdapt Tool, Regional SLR Study)
- Coordinating climate adaptation and mitigation
- Involvement with regional efforts
- Progress reporting
- Funding



Mainstreaming:

- Use same (or similar) planning procedures, with different perspective – not an “add on”
- Stimulus funding - planning for sustainable communities (Strategic Growth Council)
- Vertical integration (city/co./state/federal)
- Access to information on local impacts
- Watershed-level management
- Legislation?

THE CALIFORNIA CLIMATE ADAPTATION STRATEGY



Thank you



www.climatechange.ca.gov/adaptation